



FIRST OF ITS KIND

TIME OF LIGHT CHARGING

Charge directly from solar panels or other DC sources.

Ideal for carports & solar canopies.

Grid independent.

Charge while the sun shines!



@ TLC EV T1

12.5kW DC EV charging.

Powered directly by one or two PV strings (or other DC sources).

No PV inverter or AC/DC conversion losses.

Independent MPPT DC inputs.

NACS & CCS-1 options.

Entelligent TLC T1 12.5kW EVSE Specifications			
Entelligent Model Number	TLCT12-A1A-NACS	TLCT12-A1A-CCS1	
EV Connector*	NACS (SAE J3400)	CCS-1 (IEC 62196 Type 1)	
EV CHARGING SPECIFICATIONS			Units
Maximum Rated DC Power Output to EV	12.5		kW
CHARIN DC CSS Power Class	DC10		
Output Voltage to EV	250 to 550 (max 25 amps)		V _{DC}
Cable Length	7.6		m
	25		ft
DC POWER INPUT			
Input Voltage Range	340 to 600		V _{DC}
Number of Inputs	Two (2)		
Photovoltaic Input Modification	Independent Maximum Power Point Tracking (MPPT) per input		
Maximum Current per Input	20		A
MISCELLANEOUS			
Safety	UL 2202, UL 2231, UL 1998, FCC Part 15, IEC 61851-23		
Certifications	ISO 15118-2, ISO 15118-20, OCPP 2.0.1, DIN 70121		
Size (width x height x depth)	556 x 447 x 196		mm
	21.9 x 17.6 x 7.7		in
Operating Altitude	0 to 2,000		m
	0 to 6,562		ft
Cooling	Forced Air		
Communication Interfaces	Ethernet; RS-485 CAN-bus/modbus		
Ambient Operating Temperature	-25 to 55		°C
	-13 to 131		°F
OVC Category	Input: OVC II Output: OVC II		
Appliance Class	Class I, grounding system		
Weight	29 (31 with NACS; 32 with CCS-1 charge cable)		kg
	64 (68 with NACS; 71 with CCS-1 charge cable)		lbs
Enclosure Rating	IP65 (indoor/outdoor)		

* Tesla models may require CCS-retrofit (production prior to October 2020)

Check your VIN at <https://shop.tesla.com/product/ccs-combo-1-adapter>

